

## SEVERE STORMS FOR NOVEMBER 1949

[The table hereunder contains such data as has been received concerning severe storms that occurred during the month]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Carteret County, N. C.	1	Afternoon				Winds	Damage to boats and fishing nets expected to run into thousands of dollars. Several small boats sunk. A commercial boat dashed against highway bridge and damaged completely.
San Francisco Bay Area, Calif.	9	A. m.				Rains and winds	Heavy rains and strong winds caused floods in some districts of Marin and San Mateo Counties. Strong winds blew down power lines and snapped trees. Manhole covers pushed up throughout San Francisco, and minor floods in virtually all areas of city. Basement rooms in some districts flooded. Gushing water stalled traffic through Ferry Terminal Underpass in San Francisco. At Edgemar a pick-up truck blown across highway and plunged down 25-foot bank. Sliding dirt and sand cut traffic at scattered points. Numerous plate glass windows broken by falling branches, etc.
St. Joseph, Mo.	11	8:28 p. m.		0	\$30,000	Tornado	Two large warehouses demolished. Roof of 1 small building blown off and portion of another building blown down. Damage to above property \$25,000; \$3,000 to light wires and \$2,000 to telephone lines. Debris carried $\frac{1}{2}$ mile. No cloud observed due to darkness, but apparently a tornado. Heavy rain, thunderstorm, hail, and gusts up to 52 m. p. h. at Weather Bureau Office, 3 miles north of storm damage.
Winneconne (near), Wis.	12	7:45 a. m.		1		Electrical	Duck hunter on Lake Poygan struck and killed by lightning.
Illinois, central portion	13	5:20-6:15 p. m.			20,000	Wind	Brief but violent wind squalls hit several localities in Sangamon, Logan, Macon, Christian, Shelby, and Moultrie Counties. Major damage to new aluminum corn storage bins, about 100 bins being damaged or destroyed. Several trees downed in Springfield, breaking communication wires and damaging an automobile.
Pierson, Volusia County, Fla.	14	3:20 p. m.		0	40,000	Tornado	Moved north or northeastward; broke plate glass in a store front, wrecked some packing sheds and ferries. No injuries to persons.
Ohio, northeastern counties	17-18				7,000	Snow	Numerous traffic accidents; 9 inches of snow at Cleveland, 8 at Elyria, and 6 at Chardon.
Hackneyville (near), 8 miles west of Alexander City, Tallapoosa County, Ala.	24	4:30 p. m.	100	10	3,000	Tornado	Near Hackneyville, in Camp Ground community, over path about 3 miles long. Storm moved eastward, destroyed 2 houses. 1 house, in which were 10 persons, was lifted into the air and smashed into second house about 150 yards away, killing all 10 occupants. 10 other persons were in second house which was also destroyed, but they were unharmed.
Fairview-Easley-Oneonta-Tate's Gap, Blount County, Ala.	24	5:15-5:30 p. m.	100	4	131,000	do.	Storm moving eastward reported first at Fairview, west of Easley which is 6 miles west of Oneonta. 3 persons killed at Easley and another died as result of injuries when storm hit northern outskirts of Oneonta. Tornado moved to Tate's Gap before lifting, making a path about 15 miles long. 44 persons injured. 84 buildings damaged, of which 32 completely destroyed. \$5,000 worth of crops in storage and \$1,000 worth of livestock included in total.
Henagar, De Kalb County, Ala.	24	6 p. m.	100	2	10,000	do.	Tornado moving eastward struck top of ridge at Henagar. 5 persons injured. 3 homes destroyed.
Bluefield, W. Va.	24	7:56-8:40 p. m.			5,000	Electrical	Tower of Radio Station WHIS struck by lightning, destroying tuning element and burning out power circuits; within transmitter house about 200 yards from tower, junction box for telephone connections burned out.
Great Falls, Mont.	25	7:27 a. m.				Wind	By 11:30 a. m. peaks of gusts reached 60 m. p. h.; frequent gusts of 75 m. p. h.; highest gust of 80 m. p. h. about 2:50 p. m. A few small buildings blown down; roofs of some houses and signboards damaged; 2 large windows blown out; a few planes damaged.
Underwood, McLean County, N. Dak.	25	Evening			5,000	do.	Damage to roofs.
Washington, counties bordering Puget Sound on east, San Juan Islands, and south coast of Straits Juan de Fuca.	26-27	Early a. m. 26th and continuing.		4	50,000	Wind and rain	Sporadic, but widespread damage to roof structures and plate-glass windows. More general damage to power transmission and telephone lines, especially from falling trees; hundreds of lines down. Several small marine craft driven aground, but all later refloated. Much disruption of highway and street traffic by fallen trees and other objects caused by wind or local wash-outs. 1 death by electrocution; 3 traffic fatalities on disrupted highways, including drowning of man when his auto plunged into Snohomish River southwest of Puget Sound. Bulk of damage on immediate east shore of Puget Sound, from Thurston County north to Bellingham area.
Washington, southeastern and extreme east-central counties.	26-28	do.			225,000	do.	Much of greater part of damage occurred at Spokane, loss being about \$200,000 for city and vicinity. At that place an 826-foot radio tower, Station KHQ, snapped at half height and demolished. Some 4,500 street lamps burned out by short circuits, 2,000 telephone house connections destroyed, and many thousands of intercommunication lines. Some structural damage to houses and roofs. Trees uprooted, and street and highway travel impeded. Less damage south to Pullman and Richland and west across Lincoln County, although soil erosion damage in parts of that county unestimated. (See article on River Stages and Flood in this publication.)
Idaho, northern counties	26-27	Evening 26th to morning 27th.			500,000	Winds	Unusually high winds in nearly all communities of Idaho Panhandle, but major damage concentrated in vicinity of Coeur d'Alene. Hayden Lakes County Club suffered \$200,000 damage to buildings and golf course; 35 large pine trees uprooted onto fairways. Other damage in area to many fine summer homes, commercial timber (loss estimated at \$100,000), automobiles, plate glass windows, and power and telephone lines. Peak of storm occurred at 4 a. m. in this area. Interruption of electric power and telephone service in Moscow, St. Maries, Wallace, Kellogg, and Priest River, and estimated small amount of damage to commercial timber near St. Maries. Heavy rains accompanied winds at several places, but little damage by rain.
Gallatin County, Mont.	27	1 a. m.—10 p. m.			1,000	do.	Tops blown off haystacks, resulting in \$500 loss. Roofs blown off 3 sheds. Rural telephone service out of order. In Bozeman several plate glass windows broken, Christmas decorations torn down, a trailer house upset, and shingles torn from roofs.
Pleasant Valley, Mont.	27	9-10 a. m.				do.	Much damage to timber, fences, and irrigating flumes.
Geraldine, Mont.	27	9-11 a. m.				do.	A hangar wrecked, crushing wings of plane; power lines blown down; several sheds toppled. Hay stored in sheds blown away.
Sheridan and Johnson Counties, Wyo.	27	Afternoon			45,000	Wind	Strong winds along east slope of Big Horn Mountains, with speed of 84 m. p. h. at Sheridan Airport and gusts to 96. Large section of a hangar roof blew off, damaging Weather Bureau wind instruments and 5 planes stored in hangar. 1 pilot slightly injured. Other damage occurred in city of Sheridan, such as damage to roofs and trees. Estimated damage in Sheridan and at Sheridan Airport \$25,000. Damage at the Buffalo Airport estimated at \$20,000. Many ranchers reported hay blown away.

## SEVERE STORMS FOR NOVEMBER—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Arlee, Mont.	27			1		Wind.	Farmer instantly killed when high wind toppled wall of a barn on him.
Great Falls, Mont.	27				1,800	do.	\$1,800 damage to Liberty Theatre. A wind speed of 78 m. p. h. recorded, with gusts over 90 m. p. h.
Polebridge, Mont.	27					do.	Many trees blown down, blocking roads.
Hungry Horse, Mont.	27					do.	Many trees uprooted, roofs torn off buildings, and signs damaged.
West Glacier, Mont.	27					do.	Large trees broken and blown over, blocking many mountain roads and Government trails. Telephone and power lines out of order because of fallen trees.
Fort Benton, Mont.	27				30,000	do.	Haystacks blown over; barns, roofs, and many small buildings damaged. Roof blown off a large barn. Considerable damage to power lines.
Malta, Mont.	27					do.	Large plate glass window shattered, and a sign damaged.
Kings Hill, Mont.	27					Electrical.	A haystack set on fire by lightning.
Seeley Lake, Mont.	27					Wind.	Trees uprooted and broken; shingles torn from buildings.
Townsend, Mont.	27					do.	New aluminum machine shed blown down 8 miles southeast of Townsend.
Stanford, Mont.	27				6,000	do.	Damage to winter wheat and property.
Cut Bank, Mont.	27				5,000	do.	Winds of 90 m. p. h., with gusts to 105 m. p. h., ripped chimneys from houses and blew down trailer houses, garages, and small buildings.
Wolf Creek, Mont.	27					do.	Cars blown off roads.
Heron, Mont.	27					Rain and wind.	Man badly bruised when a wind-driven hay rack knocked him down and ran over him.
Madisonville, Hopkins County, Ky.	28	7-10:30 p. m.				Wind, hail, electrical, and rain.	Heavy rain nearing cloudburst proportions followed by very high wind damaged old buildings; roofs blown off throughout valley. Electric power and telephone lines disrupted. Heavy hailstorm, with stones ranging from 1/4 to 1 inch in diameter, caused damage in area of 75 sq. mi. State police radio station struck by lightning and burned out. Damage estimated at several hundred dollars.

## LATE REPORT FOR MAY 1949

Mount Pleasant, Miss.	1	10:30 a. m.		0	15,000	Tornado.	1 person injured; 1 home and 5 other buildings destroyed; 14 buildings damaged.
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